

1 CONDUCTIVE POLYMER DEVICE AND METHOD OF MANUFACTURING SAME

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3 ABSTRACT OF THE DISCLOSURE

4 An electronic device is manufactured using printed circuit board manufacturing
5 processes. In particular, a laminar device comprises a first metal layer, a second metal layer, at
6 least one layer of device, material sandwiched between the first and second metal layers. A first
7 layer of insulating material substantially covers the first metal layer. A third metal layer is
8 provided on the first layer of insulating material. This third metal layer is divided to provide a
9 first terminal and a second terminal. The first terminal is electrically connected to the first metal
10 layer by a conductive interconnect formed through said first layer of insulating material, and the
11 second terminal is electrically connected to said second metal layer by a conductive path
12 comprising an insulated conductive channel which passes through and is insulated from said first
13 metal layer and said at least one layer of device material. The use of an insulated channel
14 provides a cost effective method of manufacture and maximizes the effective area of device
15 material used.

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